

# Reinforcement Shape Codes to BS8666:2020



 $L=A$ <b>SHAPE CODE 00</b>	 Stock lengths $L=A$ <b>SHAPE CODE 01</b>	 $L=A + (B) - 0.5r - d$ <b>SHAPE CODE 11</b>	 $L=A + (B) - 0.43R - 1.2d$ <b>SHAPE CODE 12</b>	 $L=A + 0.57B + (C) - 1.6d$ <b>SHAPE CODE 13</b>
 $L=A + (C)$ <b>SHAPE CODE 14</b>	 $L=A + (C)$ <b>SHAPE CODE 15</b>	 $L=A + B + (C) - r - 2d$ <b>SHAPE CODE 21</b>	 $L=A + B + 0.57C + (D) - 0.5r - 2.6d$ <b>SHAPE CODE 22</b>	 $L=A + B + (C) - r - 2d$ <b>SHAPE CODE 23</b>
 $L=A + B + (C)$ <b>SHAPE CODE 24</b>	 $L=A + B + (E)$ <b>SHAPE CODE 25</b>	 $L=A + B + (C)$ <b>SHAPE CODE 26</b>	 $L=A + B + (C) - 0.5r - d$ <b>SHAPE CODE 27</b>	 $L=A + B + (C) - 0.5r - d$ <b>SHAPE CODE 28</b>
 $L=A + B + (C)$ <b>SHAPE CODE 29</b>	 $L=A + B + C + (D) - 1.5r - 3d$ <b>SHAPE CODE 31</b>	 $L=A + B + C + (D) - 1.5r - 3d$ <b>SHAPE CODE 32</b>	 $L=2A + 1.7B + 2(C) - 4d$ <b>SHAPE CODE 33</b>	 $L=A + B + C + (E) - 0.5r - d$ <b>SHAPE CODE 34</b>
 $L=A + B + C + (E) - 0.5r - d$ <b>SHAPE CODE 35</b>	 $L=A + B + C + (D) - r - 2d$ <b>SHAPE CODE 36</b>	 $L=A + B + C + D + (E) - 2r - 4d$ <b>SHAPE CODE 41</b>	 $L=A + B + C + D + (E) - 2r - 4d$ <b>SHAPE CODE 44</b>	 $L=A + 2B + C + (E)$ <b>SHAPE CODE 46</b>
 $L=2A + B + 2(C) + 2q - 3r - 6d$ <b>SHAPE CODE 47</b>	 $L=2A + B + 2(C) - r - 2d$ <b>SHAPE CODE 48</b>	 $L=2[A + B + (C)] - 2.5r - 5d$ <b>SHAPE CODE 51</b>	 $L=2(A + B) + 2(C) - 1.5r - 3d$ <b>SHAPE CODE 52</b>	 $L=A + B + C + D + 2(E) - 1.5r - 3d$ <b>SHAPE CODE 56</b>
 $L=2A + 3B + (2C) - 3r - 6d$ <b>SHAPE CODE 63</b>	 $L=A + B + C + 2D + E + (F) \cdot 3r - 6d$ <b>SHAPE CODE 64</b>	 $L=A$ <b>SHAPE CODE 67</b>	 $L=\pi(A - d) + B + 25$ <b>SHAPE CODE 75</b>	 $L=C\pi(A - d)$ <b>SHAPE CODE 77</b>

  
 $L=A + 2B + C + (D) - 2r - 4d$   
**SHAPE CODE 98**

All other shapes are Shape Code 99 and require fully dimensioned sketches.

**L=TO BE CALCULATED**  
**SHAPE CODE 99**

Nominal Size of Bar		Minimum radius for scheduling	Minimum diameter for bending former	Minimum end projection		Anticipated actual Hook diameter
d mm	r mm	M mm	General bend (bob) or links where bend >150°	P mm	Links where end bend <150°	q mm
6	12	24	110 A)		110 A)	45
8	16	32	115 A)		115 A)	60
10	20	40	120 A)		130	70
12	24	48	125 A)		155	85
16	32	64	140 A)		210	115
20	70	140	190		290	200
25	87	175	235		365	250
32	112	224	305		465	320
40	140	280	380		580	400
50	175	350	475		725	N/A



TARGETING PERFECT SERVICE

### SCOTLAND

Block 14  
Newhouse Industrial Estate  
Newhouse  
Motherwell  
ML1 5SE

 [sales@scotland.brc.ltd.uk](mailto:sales@scotland.brc.ltd.uk)

 01698 732 343

### MIDLANDS

Station Road  
Sutton-in-Ashfield  
NG17 5FY

 [sales@midlands.brc.ltd.uk](mailto:sales@midlands.brc.ltd.uk)

 01623 555 111

 01698 732 343

### WALES & WEST

Corporation Road  
Newport  
Gwent  
NP19 4RD

 [sales@walesandwest.brc.ltd.uk](mailto:sales@walesandwest.brc.ltd.uk)

 01633 289 413

### LONDON & SOUTH EAST

Wheaton Road  
Witham  
CM8 3BU

 [sales@southeast.brc.ltd.uk](mailto:sales@southeast.brc.ltd.uk)

 02074 741 800

 02038 762 909

### SOUTH

Belbins Business Park  
Cuperham Lane  
Romsey  
Hampshire  
SO51 7JF

 [sales@south.brc.ltd.uk](mailto:sales@south.brc.ltd.uk)

 01794 521 158



[www.brc.ltd.uk](http://www.brc.ltd.uk)



[brc-reinforcement](https://www.linkedin.com/company/brc-reinforcement)